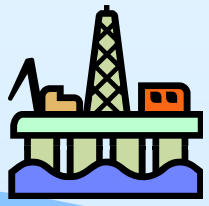
Miami Dade County
3rd Quarter 2011
Residential Single Stream Program

122,784 Mature Trees

This represents enough saved timber resources to produce more than 1.52 Billion sheets of newspaper!



23,365 Barrels of Oil

This provides enough energy to heat and cool more than 58,320 homes for one month!

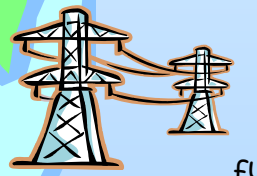
In the 3rd Quarter 2011, Miami Dade County recycled:
795 tons of cardboard/paper;
7,815 tons of Newspaper; 811 tons of mixed paper; 204 tons of tin cans; 980 tons of plastics;
129 tons of aluminum;
and 3,316 tons of glass.
We also managed 1,518 tons of residue at Waste-to-energy (WTE) facilities.

Avoided 17,235 Metric Tons (MTCO2E) of GHG Emissions

The recycling of these materials prevented these GHG emissions!

47.8 million Kw-Hrs of Electricity from Recycling

This is enough power to fulfill the monthly electricity needs of more than 47,883 homes!



4 Million Kw-Hrs of Electricity from Waste-to-Energy

This is enough power to fulfill the monthly electricity needs of more than 4,003 homes!

47,846 Cubic Yards Of Landfill Airspace

This represents enough airspace to fulfill the municipal waste disposal needs for 747,593 people for one month!

Recycling these materials avoided their manufacturing from virgin materials thereby conserving these natural resources. Use of WTE also generated electricity as noted.

65.9 Million Gallons of Water

This represents enough fresh water to meet the daily fresh water needs of more than 879,293 people!

1 The environmental benefits shown here represent the difference in natural resource consumption and GHG emissions that result from using recycled inputs versus virgin inputs. MTCO2E = metric tons of carbon dioxide equivalent. Sources: U.S. Environmental Protection Agency, International Aluminum Institute, National Association for PET Container Resources, Institute of Scrap Recycling Industries, Earth Works Group Recycler's Handbook, One Earth Recycle, Bring Recycling.org, National Recycling Coalition, US Forest Products Laboratory, Wheelabrator Technologies, and Waste Management.